

AMENDMENTS

Please amend the application as follows:

In the Specification:

Please amend paragraph 45 as follows:

In the system 100, illumination device 104 illuminates specimen 220 housed in the ~~collection mechanism 102~~ specimen container 204. The collection mechanism 102 collects the spectra emitted from the illuminated specimen, another embodiment of which is described in more detail with reference to FIG. 5.

Please amend paragraph 75 as follows:

The lens 414 ~~and are~~ is configured to perform an inverse Fourier transform on the light transmitted through the spatial filter 212. The correlation optics 108 transmits a signal 422 indicative of detection of the similarity of the spectra of the specimen with the reference spectra corresponding to the filter 212.

Please amend paragraph 88 as follows:

In order to receive and analyze data regarding the remotely located specimen, the receiver element 1018 further comprises an optical device 1014, *e.g.*, a mirror, that directs the illumination to the specimen. Further, an illumination device ~~[[1013]]~~ 1012 transmits light directed at the optical device 1014, which is reflected toward specimen 1016. The specimen 1016 reflects and/or emits light, which is then received via receiver element. Therefore, the specimen 1016 does not have to be contained within a housing as described herein with reference to FIG. 2.